

QUA·RAE

QUA - Here is news of * * * RAE - Radio Association of Erie

Issue No. 3

October, 1969

ERIE METROPOLITAN VHF SOCIETY
TRI-STATE EMERGENCY NET
LAKE ERIE EMERGENCY NET
GENERAL ELECTRIC ARS
MCDOWELL ARC
BEHREND ARC
CORY ARC
ATES ARC
AREC
RAE

EDITOR

K3AFO

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P.O. Box 183

Erie, Pa. 16512

868-2220

Material for our next issue
must reach your Editor no
later than October 23, 1969.
All newscontributions are
welcomed by the QUA-RAE.

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W3BRB, John Gebler
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Erie, Pa. 868-1217

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QUA-RAE OCTOBER FEATURES

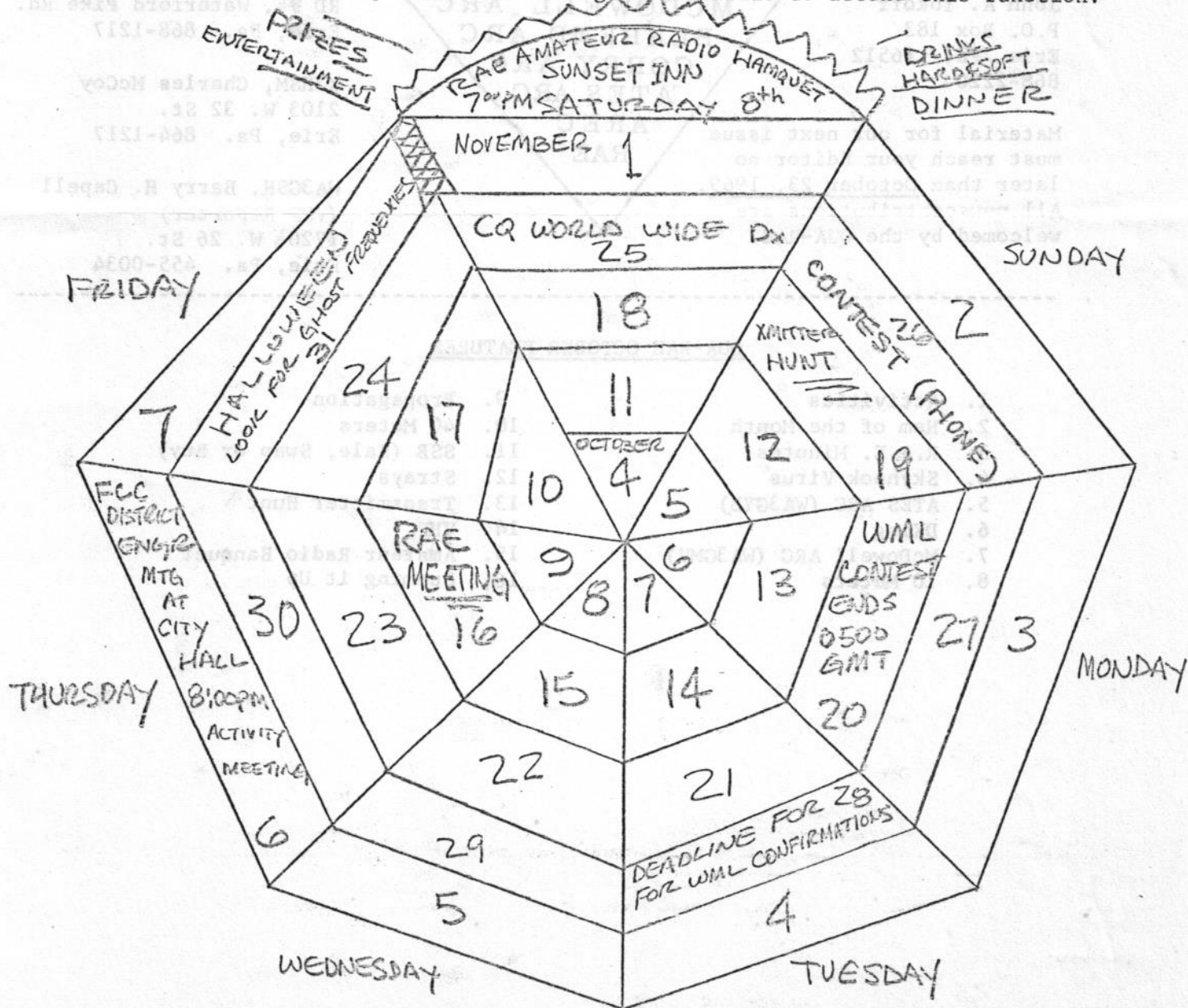
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ACTIVITIES de K3HSM

The -- RAE -- is proud to announce that the Federal Communications Commission Assistant Engineer-In Charge of District #20, will be in Erie on the night of November 6, 1969. Through the efforts of John Kanzius K3TUP, John Reiser will be here to give us an idea of what duties are performed by FCC engineers and he will be ready to answer any questions from the audience after the conclusion of his presentation.

John started with the FCC in Detroit in 1961. He transferred over to the Buffalo Office December 1965; however, he has been in the Radio Broadcasting field since 1952. John is an avid ham and his call is W2BLR. He enjoys operating CW & RTTY and is active on 80, 40, 20, 15 and 2 meters.

For this meeting, the RAE has reserved the City Council Chambers. The meeting will commence at 8:00 p.m. and will conclude at approximately 10:30 p.m. All RAE members and area hams are urged to come as we will have the opportunity to ask questions on many matters that are pertinent to ham radio. You might even prepare a list beforehand and we can forward this to W2BLR so that he might be prepared in advance on some subject matters. Address all correspondence to RAE, P.O. Box 844, Erie, Pa., 16512. And of course, the meeting will be open to, and we invite all interested parties from the general public to attend this function.



HAM OF THE MONTH De W3BRB & K3HSM



This month the staff of QUA-RAE features as Ham of the Month WA3GIV, Fred Tate. Fred is well known to radio club members. He has served as Vice President during the year 1967-68. At present, Fred is deputy R.A.C.E.S. director and a member of the Radio Association of Erie board of directors. Fred also finds time to serve as truck and property chairman for the club.

A visit to Fred's shack is a lesson in organization. Every part, from the smallest diode to the largest relay is neatly cataloged and can be found at a minutes notice. Fred's main interest is RTTY and he allowed your reporters a chance to play with his equipment; a fantastic experience for anyone not acquainted with RTTY.

Fred has a model 15 page printer with a model 14 typing reperferator. The transmitter is a Swan 350. Fred is an active 6 meter operator and can always be found on 10 during the transmitter hunts. At present, Fred has a Squallo on six and a 40 meter inverted V. Fred has plans for a beam on 10 and 15 soon.

It is with pleasure that the QUA-RAE salutes Fred WA3GIV for his service to the R.A.E. and amateur radio.

R.A.E. Minutes - de W3BRB

(Meeting of Sept. 4, 1969)

The meeting was called to order at 8:10 by K3VLP. The minutes of the Aug. 21 meeting were read and approved. The treasurer's report was given by WN3MAU. Joe reported that

(Minutes cont'd)

only one bill was outstanding and was left to be paid and the new balance would be \$390.23.

Under old business, K3AFD gave a newsletter report. John reported that the paper was now self supporting except for postage fees and it was hoped that in the near future the postage would also be paid by the newsletter.

The Hamfest report was given by WA3HSR and K3HSM. It was reported that letters requesting door prizes were ready and would be sent out.

W3KPM made the C.D. report. Tom reported that the equipment for the hospital net was in hand and ready to go. The work party for the hospitals was set for Sat. Sept. 13. No date will be announced for the drill so as to simulate emergency conditions.

Truck and property report was given by WA3GIV. Fred reported that the gear and ants. at the E.O.C. were ready for action.

W3KPM reported that a Penn State course for C.D. operations would start Sept. 17 and go to Nov. 5 at the City Hall. There is no fee and all instructional materials will be provided.

W3BRB reported that the hamfest committee had purchased a Post Office box for receiving mail. It was asked that the club consider making it the club address. The matter was tabled. The box number is 844, zip 16512.

Under new business WA3GSH reported that the Sept. V.H.F. QSO party was set for Sept. 13. Berry made a plea for operators to go to Woodcock, Pa. for the contest.

K3HSM reported that a film Unlimited Horizons would be shown at the next meeting.

K3VLP reported that the Forrest county expedition was set for the weekend of Oct. 4-5.

WA3HSR made a motion for adjournment it was seconded by WA3KMF and carried.

(Meeting of Sept. 17, 1969)

The meeting was called to order at 8:03 by K3VLP. The minutes of the Sept. 4 meeting were read and approved. The treasurer's report was given by WN3MAU. Joe reported that no outstanding bills were due and the balance is \$365.23.

Under old business, K3AFD gave a status report on the Newsletter. John reported that 190 copies had been mailed. It was hoped next month the circulation would reach 200.

(Minutes cont'd)

The total spent for postage was \$11.90.

There was no property report. WA3GIV stated that the equipment status is the same as the last meeting.

W3KPM gave the C.D. report. Tom reported that the Hospital Net worked extremely well on Sat. Sept. 13. Tom also reported that the Penn State course had started and anyone still interested could attend.

K3VLP reported that the expedition to Marionville is set and ready to go Oct. 4, 1969.

K3HSM reported that the F.C.C. District Engineer would be at the Nov. 6 meeting. The meeting will be held at the City Hall. Circle that date, it should be a very interesting meeting.

Under new business, a letter from Gil Crossley was read. Gil thanked the club for its support in helping him obtain the nomination for ARRL director.

WA3GIV made a motion that club dues be paid Jan. 1 of each year. One half dues will be collected from new members on July 1 of each year. The motion was seconded by WA3JAT and carried.

The meeting was adjourned for the showing of the film Unlimited Horizons. I would like to add that this film was very interesting. W3TLA played a tape made during the recent hurricane in the south. The meeting was adjourned at 9:30 p.m.

If any of you reading this newsletter are not sure if you are a club member please contact your secretary. We are trying to get an up to date list of members. If you joined the club in Aug. or Sept. of this year you are considered a member from Jan. 1, 1970.

That's it for this month. If you have not been to the RAE meetings, try and make the next one. The crowds are getting bigger and you may see someone that has not been seen in years. The last meeting brought out many old timers. The next meeting is Oct. 2.

73's John W3BRB

Amateur Call Letter License Plates de K3ZGG

If anyone is interested in having their call letters on their 1970 license plates, an additional cost of \$3.00 will be required along with a completed application. Contact (before 1st week of December) K3ZGG, Wendell Good, 534 Vermont Avenue, Erie, Pa. 16505.

Business Phone - 453-5004 Wendell will provide you with the application
Home Phone - 456-2213 form and all the specific information

(Call letter license plates can be obtained for Operator and Spouse)

Beware of Skyhook Virus

Getting bugged over that aluminum beam of yours that's pitting, or that bracket on the tower that's showing signs of rust? "Bugged" may be just the right word for it.

Scientists at the National Bureau of Standards are doing research into rust and corrosion and they are finding out that the wilting of metals is not always a strict chemical reaction. Bacteria of various sorts are showing an amazing appetite for metal and in several cases these "bugs" are the direct cause of rust and pitting.

The bacteria are known to chomp off an electron here and there to set up the necessary electrical path for decomposition to begin.

The researchers say they have found the germs are especially hard at work on metals that are connected to the earth or are submerged in water, either fresh or salt. However, research shows that metal meals are 60% more delectable with salt water on them! (from Florida Skip)

ATTENTION CLUB MEMBERS!

----- The following are corrections to the R.A.E. Directory of Members:

WA3EYM	Bruce Bernard	5944 Doris Drive, Erie, Pa.	866-1536
K4CAN	Robert Herman	4921 Cave Spring Lane, Roanoke, Va.	703-774-8685
W3BRB	John Gebler	RD #4 Waterford Rd., Erie, Pa.	868-1217
K3HSM	Charles McCoy	2103 W. 32nd St., Erie, Pa.	864-8030
WN3LOW	David Ore	317 Blackstone Dr., Erie, Pa.	833-6391
WA3MKT	Rick Cutter	203 Parkway Dr., Erie, Pa.	454-6012

If you do not have a club directory, they can be obtained by contacting the club secretary.

Group Stations to use Form 610-B The FCC has produced a new application form to be used for club and military stations. All such applications filed on or after September 1, 1969 must be on the new form 610-B. Each application for an individual station license shall continue to be made on FCC form 610.

A.T.E.S. Technical School de W3TLA and WA3IOG

WA3GYB are the call letters of the ham station at the A.T.E.S. Technical school. The antenna is a Hy Gain 18 AVQ vertical on the roof of the one story school. The equipment is a Swan 350, a Knight T-60 and a Hammarlund HQ-110A receiver.

A.T.E.S. (Cont'd)

The hams that are attending the morning daytime classes are: John Thompson WA3DYI, Ken Covell WA3IOG and Andy Payer W3TLA. Ken is from Bradford, Pa. Mark Brunner and John Knall are working on their tickets.

Most of the faculty at the school are known in electronic circles. The director is Dave Atkinson. The instructors are John McCurdy, Art Harrington, Chuck Wettekin and John Ward. Mrs. Virginia Wildermuth is the office manager.

(Thanks to Andy Payer and Ken Covell for the above information)

DXing de K3AFO

1. HZ HZ1AB, Saudi Arabia can be heard regularly around 14.241 at 0024 GMT.
2. VK2BKM/2 Lord Howe Island will be active October 16 to 30 on all bands. Karl will be confined to CW October 16 to 24 prior to the phone part of the CQ W.W. DX Contest.
3. Here's the most wanted list compiled by some of the top DXers:
 - a) ZA
 - b) Y1
 - c) GEYSER REEF
 - d) BLENHEIM REEF
 - e) LACCADIVES
 - f) KURE
4. During superb conditions on 20 meters, the South East Asia DX Net can be heard on 14,320 at 1200 GMT (operates daily). Net control station is usually 4S7PB (Ceylon).
5. The "1969 CQ World Wide DX Contest"

October 25-26 (Phone)
 Starts 0000 GMT Saturday
 Ends 2400 GMT Sunday
 Exchanges RS report plus zone number
6. All ZA's (Albania) that have reportedly been worked in recent years, have ended up as bootleggers. The latest pirate was ZALAM; because of no legitimate operation from this country, it now rates as number 1. on the DXers most wanted list.
7. Kure Island expedition sometime in November! details in next issue of QUA-RAE.
8. To draw greater attention to Captain James Cook's first landfall in the Pacific Ocean at Gisborne, New Zealand on October 9, 1769, the New Zealand Amateurs are authorized to use as an option .. ZM1 to ZM5 in place of ZL1 to ZL5. This will be from Oct. 1, 1969 to Dec. 31, 1970.

9. 6 Meter DX! ZK1AA, Cook Island reports working W4GDS in Florida on 50 MHZ (running 150 Watts to a 2 element beam). ZK1AA widely reported in North America during March, April and May.
10. What is a DXer? he is generous because he informs his radio pals about the DX station, the frequency and the operational procedures but only after he himself has made the QSO! (hi, hi)
11. A Look at Future DXing

Astronaut Neil Armstrong's first steps on the moon not only began a new chapter in the history of mankind, but for the hobby of DXing as well. The apollo 11 flight and the two preceding it were giant steps ahead in communication as were the first transatlantic tests in the 1920's. Those tests marked the beginning of the hobby as we know it today as the communications from the moon give us a glimpse at the future of our hobby.

No longer will DX'pedititioner's have to scour the earth for new countries, the pace at which new space colonies will spring up will undoubtedly keep ahead of them. Even before widespread civilian travel is allowed in space the high number of hams in NASA and the Soviet program will put some of these spots on the air. What better way to spend leisure time in space than talking to the outside world.

Plans are already underway by NASTAR (Nassau College Amateur Satellite Tracking) in project "Moonray" to put a ham repeater or transponder on the moon in the third Apollo lunar landing. World-wide communications between stations will become common on two meters and above. Five band DXCC in the year 2000 may have two meters occupying the position 80 meters does now. The parabolic dish will replace the faithful tri-bander.

The hobby of DXing faces a future as equally bright and exciting as its past.

(Article by WA8VBY)

October 4th Single Side Band Dinner in Pittsburgh!

We received late notification on this one, but there still may be enough time! Bill, WA3JFK is running the affair. The cost per ticket is \$5.00. Starts at 3:00 p.m., with dinner at 6:00 p.m. A lot of nice prizes will be given out. Bill's address is: WA3JFK, P.O. Box 123, Glenshaw, Pa. 15116. If anyone is interested (there is a group from the Erie Area going down) please contact me, ASAP (K3AFO) and I will call Bill and make your reservations along with giving you the specifics.

Definition of Log Book The official record of times the station transmitter is on the air. Generally lists coffee rings, rips, solder burns, curled corners and occasional entries.

WA3GMV, McDowell Amateur Radio Club de WA3HSR

The McDARC is anticipating another prosperous year with new equipment and more operators. The McDARC is now affiliated with the ARRL. President of the Club is WA3KMF, Dennis Brooks and Sec-Tres is WN3LKR, Brad Robertson.

10 Meters de K3AFO

1. The most important news about 10 meters is that it has finally opened and wide!----- unbelievable signal levels have been monitored from all continents during the daylight periods. Yours truly worked all continents A.M. on Saturday, September 27 with no trouble at all. WA3DJT reported UR2JD in Estonia, U.S.S.R. running 20 watts with a signal level of S9 plus 20 DB (Soviet station using a folded dipole). Some good catches during the last week in September were JT1KAF in Mongolia on C.W. and VQ8CV in Mauritius on SSB. UAØNS in Asiatic Russia running 8 watts on A.M. is again being heard late evenings by a lot of the Erie Amateurs. Last year, Ivan UAØNS was worked by many locals just using dipoles. The JA's are thicker than "flies" on CW, SSB and A.M. during the evenings and the Soviets can be heard on A.M. in the mornings splattering all over the band with their unregulated power supplies and VFO's. Many of the locals will be tuning up their rigs after the Summer lay offs and we hope to see plenty of 10 meter activity in the Erie Area in October and throughout the winter months.
 2. Australis - Oscar 5 Instructions in completing report forms for the 10 meter satellite are contained in detail in the September "CQ" Magazine. Don't forget 29,450 KHZ on weekends. Launch date has not been announced yet (should be in October).
 3. Lake Erie Emergency Net 8:00 P.M. every Sunday on 29.150 MHZ. Here's a chance to latch onto some WML contacts after the net. I have counted at least 20 active stations on 10 meters in the WML contest you have until October 20, 1969 to contact as many Erie County Hams as possiblelet's get going!
 4. 10 Meter xmtr hunt at 7:00 p.m. on October 19, 1969. K3VLP/W3HLM will hide the xmtr. See xmtr hunt article for all the details on the hunt that took place on September 21.
 5. Having trouble hitting the sack early? There's daily 10 meter activity week nights 11:30 p.m. to midnight on 29.0 MHZ.
 6. There will be a 10 meter station operating at the Sunset Inn to talk in mobiles and also for display purposes on November 8, 1969 at the RAE Amateur Radio Banquet (starting at 7:00 p.m.) get your tickets early!
-

Propagation de K3AFO

No need to dwell on improved conditions on 10 and 15 as anyone who is listening should be amazed at the high signal levels that are received. Bands relying on light path will close earlier because of the shorter days but the lower frequencies (80 and 40) will be opened longer for DX and static should be disappearing. The M.U.F. should be high enough now to allow contacts on 6 meters to South Africa and Australasia. East Coast has been reporting contacts to South America from 8:00 p.m. to 11:00 p.m. on 6 meters.

40 Meters de K3HSM

Well fellow Hams, still have yet to emanate any 40 meter signals from the home QTH. However, a recent conversation with Jim Berry, WA3JAT was quite fruitful. Jim indicates that there is not much in the way of local activity on 40. This is evidenced partly by the fact that good ole Charlie Brown Bliley K3NAU/2 operating from the Coast Guard station at Wildwood, N.J. has been scanning around the band looking for a phone patch into Erie. Chuck consistently checks into the East CARS net (East Coast Amateur Radio Service) on 7255 KHZ and anyone with a phone patch is requested to give Chuck a hand. Incidentally, there is also a West CARS net that gets going on 7255KHZ during the late evening hours when skip lengthens out and East CARS shuts down. There is also one other general service check -- in net and it can be found on 7,258 KHZ and it is called Mid CARS (Mid Coast Amateur Radio Service?).

Jim WA3JAT has not been working anything exotic on 40 but he is trying to spark up some local activity. Through his efforts, WA3KMF Dennis Brooks just might start operating and K3HSM just might get an antenna up.

Carl Rimmer K3OSU has installed a HW22A in his set of wheels. On the tail end is a hustler antenna with a 40 meter resonator. Good going Carl -- glad to see you could jam some more goodies in the limited space you have available. Well -- good luck and DX until next month -- maybe by then, the local activity will increase by one at least.

SSB (Sale, Swap or Buy) de K3AFO

1. Swan 500, best offer over \$350.00 (No Pwr. Supply) - WA3EYM call 866-1536 or contact Bruce Bernard, 5944 Doris Drive, Erie, Pa. 16509.
2. For Sale:
 - a) 5DEP1 Scope, tube 5"
 - b) 21CQP4 Band W picture tube, 21"
 - c) Two rack panels, 19"
 - d) 5½" meter panel
 - e) 7" meter panel

Contact WA3FFD, James Rose, 114 Eagle Point Blvd., Erie, Pa. 16511

SSB (Cont'd)

3. Viking Valient for sale! Contact WA3HGJ, Carl Hicks, 1637 Brookside Dr. - 833-7801.
4. Home Brew (1500 PEP) 20 meter linear. It will give you that extra signal punch! Only \$75.00!! Contact W3FVH, John Szumigala, 413 Chautauqua Blvd. Call 454-0318.
5. Fred Tate, WA3GIV, is looking for some Rohn tower sections. Call 456-1204.
6. For Sale:
 - a) WRL SB-175 xtal controlled xmtr. 175W. DSB, AM and CW, 10 - 80 meters. Incl. power supply -- excellent condition \$75.00
 - b) Homebrew 200 watt xmtr with power supply and modulator. Needs a little work \$50.00
 - c) 60 watt xmtr with power supply. Good for parts \$15.00
 - d) Two brand new 811A tubes \$5.00
 - e) PL-4D21 tubes, new \$10.00
 - f) Knight T-60, good condition \$40.00
 - g) SX-99 with speaker \$75.00
 - h) Simpson Milliammeter..... \$4.50 and \$3.50

For the above, contact or stop by: Erie Electronic Supply
 W3NXX, John Kozak
 1835 W. 26th St.
 Erie, Pa. 16508 - Call 455-4512

REMEMBER, tell them you saw it in the QUA-RAE !!

Strays de K3AFO

- WA3EYM Bruce Bernard entering Pre-Med at Case Western Reserve University.
- W3NGI/WA3KFX Frank and Doug Grace provide an active father/son team on the airwaves. Frank is a holder of an extra class license and missed out on a 2 letter call by a couple of years.
- W3UQE Ken Anderson crackled the 6 meter airwaves after revitalizing (through a meticulous process of elimination) his receiver with a new tube.
- W3TLA Andy Payer busy mornings at the A.T.E.S. Tech School.
- K3KRA Gary Kostek, will be at his new QTH during the latter part of October. His new address will be 2741 East 44th Street.
- W3WZ/W3LJF/K3BTQ Cas, Josi and Chuck Jackson report the third member of the father/mother/son amateur team (Chuck) is now a third year medical student at the University of Buffalo. Chuck is kept busy during his non-study hours, working at the Buffalo General Hospital in Obstetrics and Gynecology.

Strays (Cont'd.)

- WA3DJT Jack Baer traced his xmtr. troubles to a loose nut on the bench. Jack reports A.M. is widely heard again on 40 meters.
- K3PCI John Wagner reports increasing A.M. activity on 75 and 40 meters. Could this be a new trend?
- WA3LMU Reverend Bob (formerly WA8CYD) in Elwood City is active on 2 meters. His 6 meter activity ceased due to too much TVI!
- WA3ISN Rick Craig reports working an Ecuador (HC) station on 40 meters.
- W3FIQ Sam Baker recipient of the National Edison Award Citation during the "State Emergency Thanksgiving Snowstorm", is now known as "Singing Sam". Sam is a headliner country-western entertainer (How about a few songs for the November 8th Hamfest Sam?)
- W3BRB John Gebler and XYL will be spending Xmas in Moscow! They plan a 3 week trip to the Soviet Union during the end of December. John says any bootlegging on this trip is out!
- W3KPJ Hank Schneider will be devoting full time to amateur radio soon (Hank will be retiring from Kaiser Aluminum).
- K3TUP John Kanzius has arranged for the FCC Engineer from Buffalo to speak at the RAE meeting on November 6th (this meeting will be held at the City Hall Auditorium!)
- W3NGI Frank Grace was active from Forrest County on September 20th, 1969 (3:00 to 7:00 p.m. on 7,060 CW). He will confirm all QSO's for you "County Hunters".
- WA2BCA Rick Van Giesen, Ripley, N.Y. plans to win the trophy for the station outside of Erie County who contacts the most Erie County Hams in the WML (Worked Most Locals Contest) Contest. (Contest runs September 12th to October 20th, still plenty of time to enter!)
- K3VBL Robert Weaver (Jr.) is now located on the Island of Guam. His dad W3WDK passes his address along as:
Airman 1st Class R. L. Weaver, Box 9542
APO San Francisco 96334
- K3OSU Carl Rimmer was first to locate the hidden xmtr on 6 meters during the hunt on September 21, 1969. Carl says he's starting to get the DX bug (look out 10 meters!)
- W3VHP Doc Cook has rattled many local speakers with his Henry 2K linear. Doc attended the last RAE meeting and we hope to see him there regularly!
- WA3GMN Peg Sayre likes chasing DX on 15 mtrs. Peg would like some YL or XYL Company at the RAE meetings. How about it gals!

Strays (Cont'd.)

- W3FVH Jan Szumigala co-piloted with WA3GIV on 10 mtrs searching for the hidden xmtr. The combination worked well as they were one of the early arrivals.
- K3VLP George Dickey is busily preparing for the County Expedition on October 4 and 5. If you are interested there is still time (if you get this newsletter in time!)
- WA3GSH Barry Capell has been working out like a house of fire with his new 6 meter beam.
- K3QAY "Brownie", out foxed the hounds for at least a half hour during the xmtr hunt (6 mtr xmtr). Brownie said he let the hounds track him down early because he didn't want the coffee to get too cold! (hi, hi)
- W3JOQ Dick Michaels is now back on 6 meters after 5 years of QRT. Dick got rid of the bugs in his 6360 rig and things are once again perking fine.
- K3ZGG Wendell Good, keeps busy making his weekly trips to Harrisburg. (How about passing some good "ham" legislation Wendell?) For anyone interested in Call Letter License Plates, Wendell will provide applications and information along with speedy deliveries to Harrisburg!
- K3AFO John Yokoff recently made an interesting QSO with Mr. Tom Christian, VR6TC on Pitcairn Island (15 mtr SSB). Tom Christian is a desendant of Fletcher Christian, who in 1790, sought refuge along with 8 other seamen from the Bounty (Mutiny on the Bounty) after they rid themselves of Captain Blye.
- WA3EZR Thanks to Bernie Alcorn for helping the QUA-RAE staff, recruit new members for our paper, in the North East area.
- W3SLC Walter Jordan is unable to operate on the ham bands because of illness but does enjoy reading the QUA-RAE. We all greatly miss hearing Walter on the airwaves.
- WA3HSR Mike Hall's country total is starting to climb. Mike reports 58 worked, 39 QSL'd. Mike hopes for DXCC soon.
- IMPORTANT Don't Forget: 1. FCC Engineer at the City Hall Auditorium on Nov. 6, 1969 at the RAE meeting (8:00 p.m.)
 2. WML (Worked Most Local Contest) ends on Oct. 20th, still plenty of time to win a trophy.
 3. RAE Ham Banquet on Nov. 8, 1969 at 7:00 p.m. at the Sunset Inn (Saturday evening).
 Don't miss it!

Strays (Cont'd)

- K3HSM Chuck McCoy is looking for a pole climber. Any takers?
- WA3GJH Joe Szmanowicz heard getting 59 reports on 10 meter A.M. from the Europeans (That Band W5100 and hornet tri-bander really must be getting out the RF!)
- WA3MKT Rick Cutter can be heard on 20 mtr SSB with his recently procured 20, SSB transciever.
- K3LIG Edward Kostek has been feeling a little under the weather and is presently in Room #376 at the Hamot Hospital. Drop Ed a card or better yet, pay him a visit.
- W8WEM Charles Marvin, contacted George W3LKJ and expressed interest in finding out information about our up and coming Amateur Radio Banquet. Charlie is President of the Ohio SSB Technical Information Net and he is quite famous for his extensive antenna farm and the respectable SSB signal he emanates from his Rock Creek, Ohio QTH.
- WN3JIS James Smith, pushes out a good 40 meter signal with his HT-40 and vertical antenna.
- WA3HLN John Shreve has recently returned stateside after a trip to Europe. Now that John is back, we hope to hear him on the air.
- K3QWZ Glen Vest working toward Master's Degree at Behrend Campus.
- W3MED Ken Milks, Rumor has it that Ken may soon be firing up on the 6 meter band (we hope this rumor is true!)
- W3JTF Larry Herman has been inoperative on the ham bands lately because of lack of time due to his business. Don't let that dust settle Larry! We all hope to hear Larry back on soon.

Combined 6-Meter 10-Meter Transmitter Hunt de WA3GSH
A TERRIFIC SUCCESS

Sunday, September 21, 1969 saw another successful transmitter hunt take place in Erie County. September's hunt was masterminded by K3QAY (Brownie) on 6 - meters and K3AFO (John) on 10 - meters. The two mobiles "hid" themselves on Ponderosa Drive in South Erie. First on the scene for the 6 - meter crowd was K3OSU (Carl). Brownie kept remarking that Carl had a motorboating type sound on his signal. Actually what Brownie heard was the exhaust rumble from Carl's Corvette! Riding with Carl were WA3JJT (Steve) and WA3JFV (Jay).

First on the scene for the 10 - meter crowd was the team of K3VLP (George), W3HLM (Don) and K3AER (Paul). K3AFO gave some shrewd clues that had the boys guessing. One clue was in relation to the TV show "Bonanza". Several

(Cont'd.)

Transmitter Hunt (Cont'd)

people misinterpreted the clue and wound up at the Bonanza Steak House on Peach St. Our Burned-Out Final For The Month Award goes to these quick thinkers. W3BRB (John), on the other hand, couldn't contain himself and blurted the key word "Ponderosa" into the mike. John was reprimanded for his over-zealousness and K3AFO threatened to retire John to the Old Ladies' Home (another sneaky clue). BRB suffered the just reward for his impatience as he wound up at the Rondale Home For The Aged and found to his dismay that no-one there knew anything about a hidden transmitter hunt. John made a quick exit before they could enroll him as a new guest.

Doc Baxter, W3YWL, got a bit excited and swore K3AFO was moving the transmitter during the course of the transmitter hunt. Doc's challenge was justified in part. What actually happened was that John moved the car a few blocks from the first location when signs to the effect of "Beware of Vicious Dog" were discovered in the area. Not desiring to confront a vicious K9 head-on, the group departed hastily in search of more hospitable grounds. Maybe this is why your S-meter jumped around by 4 S-units, Doc.

But the last comment was voiced by a neighbor in the area when she telephoned her husband and gasped in an alarmed tone, "Harry, I don't know what's happening, but there's a whole group of people standing around in the field drinking coffee".

Transmitter Hunt Participants ...

(Note in any order)

6 - Meters

K3QAY - hidden transmitter

K3ATZ

W3ALD

K3OSU

WA3ISN

WA3HRJ

WA3FFD

WA3GSH

WA3JJT

WA3JFV

10 - Meters

K3AFO - hidden transmitter

W3BRB

W3YWL

K3VLP

WA3GIV

W3WDK

W3HLM

W3FVH

K3AER

NEXT HUNT IS SUNDAY, OCTOBER 19

BE THERE!!

About VHF de WA3GSH

1. Comments on the September VHF QSO Party

For a while it seemed as though the VHF QSO Party was going to be a rather humdrum affair with no openings occurring in the first few hours of the test. Groundwave conditions were relatively normal on Saturday and most of Sunday with many Ohio stations being heard in the Western Pennsylvania section. WA8LRE and WA8TTS had extremely strong signals from the Cleveland area on both AM & SSB. Stations

VHF (Cont'd.)

from central Ohio were also heard with good signals. After only a few hours of contesting on Saturday all the immediate sections were worked and most of the contesting stations that were heard were worked. This was due in part to the almost total lack of participants from the local hams. Apparently there aren't many serious VHF testers in the Erie Area.

Fortunately, by Sunday evening, there was a break in the routine with some aurora contacts being made. Beam headings in the north and northwest produced moderate signals from Northern New Jersey, Wisconsin, Illinois and Eastern, Pa. WA9JCX from Wisconsin section, was heard (all aurora stations were SSB, incidentally) with strong signals and K9HMB in Illinois section was also strong. K3HKK/3 (Nittany ARC) from State College, Pa. was also heard with moderate signals. All stations were garbled as is typical of auroral contacts. No conventional AM stations were heard via the auroral path, however. The characteristic auroral noise was also prevalent. Extreme difficulty was experienced between stations during this period particularly with regard to the call sign exchange. The garbling of the signals is due to the presence of the aurora noise which causes the signals to be modulated by noise in the 30 - 100 cycle range. The aurora served to liven-up the contest a bit and was welcomed the serious tester looking for those all-important section multipliers.

Once again the Western Pennsylvania section proved to be the quiet spot for activity in the contest. With the help of the aurora, many EPA stations were heard but only three WPA stations were heard contesting. These were K3HKK/3, W3KWH (Pittsburgh) and WA3HUR. This is a sadly disappointing turnout. Without the aurora it would have been a rather dull event from the Erie area.

2. G.E. WA3MOP Operating News

WA3MOP, the General Electric Amateur Radio Station, is undergoing schedule organization to assure operation during certain hours of each week. This operation will be on 6 - meters with operation most likely to be centered on 50.52 Mc. The station is presently caught in the midst of antenna relocation and routine antenna maintenance. Since this station is an emergency-oriented endeavor, plans are in the works for procurement of a gasoline-driven generator to be placed at the club's disposal. WA3MOP already has one of the biggest signals in the area on 6 - meters. Recently, schedules were made with Charlie, WA3WSE, in Depew, N.Y. (near Buffalo). Charlie operated on SSB while WA3MOP was on conventional AM. He indicated WA3MOP's signal was 5x8 in his area (WA3GSH oper.). Shortly after talking with Charlie, contact was made with WB2JFL in the Lake Ontario region. Signals from WA3MOP were still quite good in Milt's area. It appears that WA3MOP will continue to be a big voice in the area.

VHF (Cont'd)

3. W3GV VHF QSO Party Trip

The W3GV QSO Party excursion was cancelled due to absence of participants. After making all the plans and arrangements for the journey to Woodcock, Pa., (Larry Herman's vacation spot) the trip was called off due to the fact that only two individuals were participating (W3JTF, WA3GSH). The original intent was to have a field-day style operation centered around the communications truck. Operation was planned for both 6 & 2 meters. Conflict with the CD Hospital Antenna Party apparently caused a shortage in participants for VHF trip. It was decided to drop plans during the week prior to the contest because of the lack of interested people. Many thanks to Fred Tate, WA3GIV and Larry Herman for their efforts in this event. Let's hope next time no conflicts arise.

4. 2 - Meters and Repeater Activity

At long last it looks as though some local 2 - meter FM activity is beginning to emerge. After a local silence of more than two months this writer contacted a local on 146.94 Mc. The local responsible for this timely contact was Bill Rothstein, K3WOL. Solid communication was established between Bill's QTH (near WSEE TV on Rt. 19) and WA3GSH's QTH on Rt. 20 (West 26 St.) near Greengarden Blvd. Full quieting was achieved at both ends. Power input was 60 watts to a 5/8 - wave ground-plane at WOL's place while yours truly ran 1 - watt to a 1/4 - wave ground-plane. This further establishes that 1-watt input power will cover the city of Erie and do a nice job with a minimum antenna installation. This performance is enhanced by extreme receiver sensitivity. It is usually not difficult to achieve less than one microvolt sensitivity for 20 db of quieting on the average good commercial FM transceiver. This sensitivity however, is not really extraordinary performance. By careful construction or either inboard or outboard FET preamplifiers this sensitivity can be reduced to the 0.25 microvolt/ 20 db quieting level. This sensitivity is suitable for listening to the Canadian repeater VE3KSR and the Buffalo repeater WB2TLJ/2 with a 1/4 - wave ground-plane during average clear-weather conditions (minimum clouds).

After several months of patiently waiting for FCC action, the Nittany ARC FM Association has finally received its repeater license. The NARC FM repeater is located at the top of a large mountain near Pine Grove Mills, Pa. (five miles from State College). The newly-licensed facility is WA3KUW. Input frequency is 146.34 Mc. and output is 146.76 Mc. The repeater is a single-channel narrow-band FM repeater running 30 watts with 60 watt expansion capability. The transmitting and receiving antennas are mounted near the 80-foot level of a 100-foot tower and are spaced several wavelengths apart. The VHF Boys at NARC are now busily adding control circuitry to enhance over-all repeater capabilities.

Dick Adler (K3CXZ, WA6KPF) from State College, Pa. tells us that August provided several evenings with ducting effects on 2 - meters. During this ducting, a number of Buffalo stations were strong enough to key the NARC FM Ass'n repeater WA3KUW. This condition has occurred on several occasions in the past.

5. Tri-State Emergency Net

To serve as a continual reminder: the Tri-State Emergency Net meets on 50.52 Mc. every Sunday night at 9:00 PM local time. Activity on the net has increased sharply in past weeks as has 6 - meter activity in general. Several Sundays ago we had 26 check-ins on the net. This was followed by 19 the next week and 28 on September 28, 1969. These are the highest totals in quite a spell of net activity. Let's keep busy and make it a point to man the rig and check-in to the net on Sunday night. Net control for October is WA3GSH (West side of Erie on Rt. 20). Hope to see you all there!

For those of you who are early risers there is a net on Sunday morning at 9:00 AM on 50.580 Mc. This net is controlled from New York state by net control station WA3ILH, Jason M. Cady. This is just the ticket for Sunday morning activity.

6. WML Contest - - 50 Mc. and UP

It seems as though most everyone on the VHF bands in Erie County have overlooked the Worked Most Locals Contest. To participate in the contest, one must merely converse with any amateurs in Erie County for at least ten minutes. Written confirmation of the contest is required. Contest ends 0500 GMT Monday, October 20, 1969. All confirmations must be submitted to the WML committee and be post-marked no later than midnite October 28, 1969. Mail confirmations to:

Mr. John Gebler, RAE
P.O. Box 844
Erie, Pa. 16512

Let's go VHF'ers! Participate and be eligible for fantastic prizes to be awarded at November 8 RAE banquet at Sunset Inn!

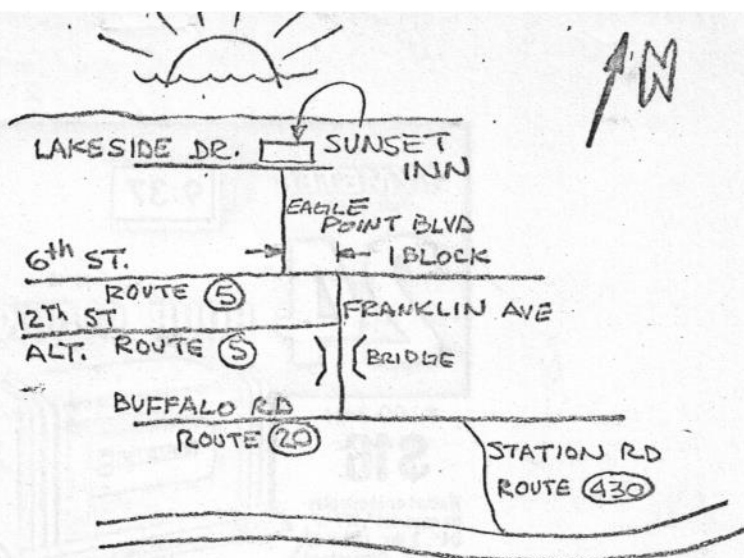
7. 6 - Meter DX Notes

ZK1AA from Cook Island in the South Pacific worked W4GDS in Florida on 50 Mc. during March, April and May of this year. ZK1AA runs 150 watts to a 2 - element beam antenna. His best DX to date was ZF1AA in the Grand Cayman Islands in the Carribbean. Look for ZK1AA during 50 Mc. long-haul openings.

Well friends, that's the news for this month. If there is anything you would like to see in this column, write to me or catch me on the band. See you next month.

QUA-RAE Cover Sheet

We hope to include all area amateur organizations on our "Pyramid" on the cover sheet. If we skipped anyone, please notify us. We will add "RACES" on next months QUA-RAE cover sheet (it was accidently omitted on the master copy).



A T T E N T I O N !!! DE W3GV

INTERSTATE 

ANNOUNCING THE RAE AMATEUR RADIO BANQUET

To Be Held Saturday - November 8, 1969 - 7:00 p.m.
at
Sunset Inn - 1990 Lakeside Drive

Donation -- a MERE \$4.00 per Person
for ALL you can EAT and DRINK
(bicarbonate not included)

The meal will be a Smorgasbord buffet-style dinner, which incidentally the Sunset Inn has received acclaim for from their many customers, and there will also be soft drinks, medium-hard drinks (807's) and hard to super hard drinks. ALL included in the price of the ticket. Music on the piano will be provided by Erie's Steve Mioduszewski. Our guest speaker will be - ROBERT J. CHITESTER. Mr. Chistester has his BA and MA in speech and broadcasting from the University of Michigan and is the General Manager of local ETV station Channel 54. There will be presentation of the WML awards for the HAMS who work the Most Locals - A) above 50 MHZ; B) below 50 MHZ; C - Novice; and D) Station outside Erie County who contacts the most locals. Amateur radio equipment will be displayed by local distributors. - General Telephone "IMTES" Improved Mobile Telephone System. Name tags will be available at the door. There will be a talk-in on 29.150 and 50.52 MHF. Amateur stations will be set up. There will be something for everyone - lots of door prizes - and most of all, an opportunity for you, and your XYL or YL to meet the people on the other end of the mike in a pleasant social atmosphere. Tickets are available at the RAE meetings or from committee members, via reservation forms, or at the door.

RAE
P.O. Box 844
Erie, Pa. 16512

PLEASE GET YOUR RESERVATIONS IN EARLY. MAIL THEM TO:

RESERVATION FORM

PLEASE SEND ME _____ TICKETS, FOR THE RAE AMATEUR RADIO BANQUET.

NAME AND CALL _____

Enclosed _____ check

ADDRESS _____

_____ Money Order

_____ Pay at Door

TYMETER
TIGLALAGORZ

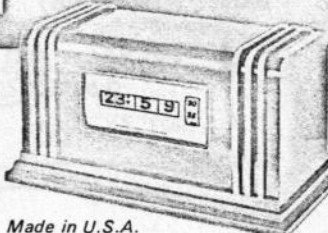
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W3GV

A Memorial to Watson Wiley



Radio _____ Confirming our AM-CW-SSB QSO
At _____ GMT _____ 19 _____ On _____ Mhz RST _____
Rcvr. _____ Xmtr _____ Ant. _____ W. Imp. _____
73 Opz. Portable

W3KPJ Press

**HERE IS A SAMPLE
OF
OUR NEW QSL**

SSB (Late Addition)

- For Sale:
1. Transformer (run 750 watts) 3,000V CT (1500-0-1500) 250 MA.
 2. 4 - 866A
 3. 2 - 2.5 VAC FIL XFMRs
 4. 2-866 Sockets
 5. 1 - .012 MFD (25,000 V) Vacuum Cap
 6. 1 - 5 Vac, 16A FIL XFMR
 7. 2 - 866 Plate Caps
 8. 1 - 15K Bleeder (200 WATTS)
 9. 2 - 115VAC, large jewel pilots (1 - red, 1 - green)
 10. 2 - large porcelain case by pass caps.

Everything must go! Buy the xfmr and get the rest! Call WA3GSH - 455-8834

SUMMING IT UP De K3AFO

Many members of the RAE have been seriously discussing a new location for our club meetings due to the heavy turnouts that have been appearing. We expect even larger groups in the upcoming gatherings and this leaves the present meeting room chairless! Each possibility discussed has its advantages and disadvantages and this decision will be influenced by each and every club member. Think about it. It's inevitable that something will have to be done in the near future about this situation.

The list of QUA-RAE readers is growing, numbering now over 200 in the Erie Area. If there is anyone we are missing, please bring it to our attention. Let us know what's happening.....your activities, equipment for sale or nice articles of interest to the QUA+RAE readers.

We all anticipate a packed house for the November 6th meeting, when the FCC engineer visits the RAE. Because of the large group expected, this meeting (starting at 8:00 p.m.) will be held at the City Hall Auditorium. Two days later (November 8th, Saturday) will be the big Amateur Radio Banquet at the Sunset Inn starting at 7:00 p.m. Better make sure you have these two dates underlined on your calender.

Thanks goes to all the assistant editors and news contributors to the October issue of QUA-RAE. Many thanks also to the General Electric Company for assisting us this issue and Charlene Weddige who helped our VHF reporter in his material. Bonnie Zaczyk our faithful QUA-RAE typist did another superb job in typing this issue.

Remember, this is your Amateur Radio Bulletin.....support it!!

Keep the news coming. C U next month.

73'S
K3AFO

K3AFO
JOHN A. YOKOFF
P.O. BOX 183
ERIE, PA. 16512

3rd CLASS



W.HTD
LINDSAY JETER
434 VERMONT AVE.
ERIE, PA. 16505

SUBMIT IT UP TO K3AFO

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K3AFO